Installation and operating manual S-Box

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1. Introduction

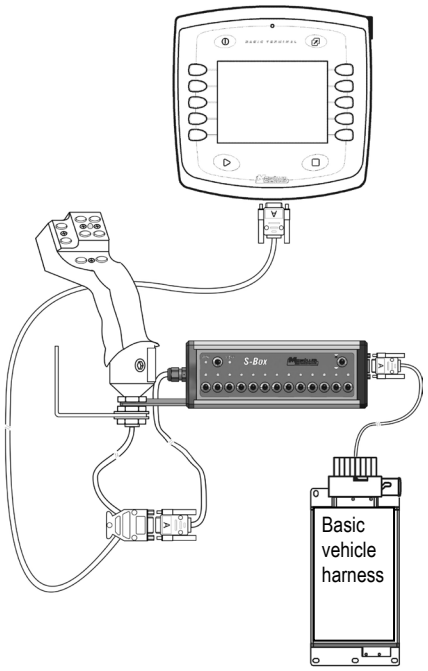
ISOBUS S-Box is section switching box with mechanical switches for the control of sections and the main switch of the field sprayer ISOBUS. The switching box can be also operated in addition to the ISOBUS multifunctional grip (MFG) or separately for the control of sprayer sections. Versions exist with 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 18 sections.

Sections:	**Minimum software version of the ISOBUS job computer:**
2-13	5.2xx
18	6.4i

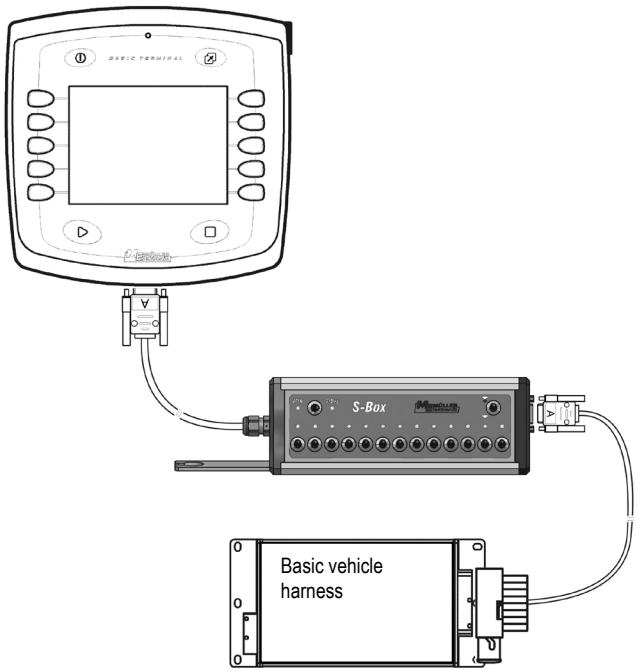
2. Mounting and cabling

If used together with a multifunctional grip, the S-Box can be mounted on the multifunctional grip. The electrical connection of the S-Box is between the multifunctional grip and basic equipment. Pic. 2-1 shows the mounting and cabling with terminal, multifunctional grip and basic equipment.

If no multifunctional grip is used, the S-Box is connected between the terminal and basic equipment, as shown in Pic. 2-2.

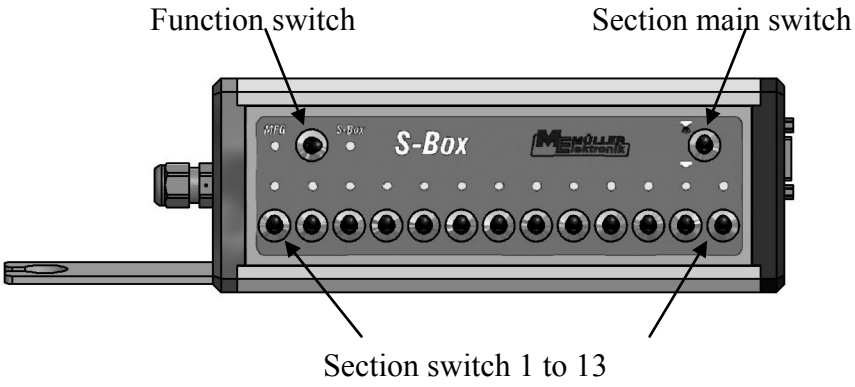


Pic. 2-1 Cabling with MFG



Pic. 2-2 Cabling without MFG

3. Operating elements



The S-Box can be activated using the function switch . In the MFG position the S-Box has no function. The sections can be controlled depending on selected mode via MFG (see parameters "section control" on the 3rd machine screen of the sprayer).

If the function switch is set to S-Box, then the S-Box is active. This is shown on the working screen of the sprayer with the symbol . In this condition the sprayer evaluates the switch positions set to S-Box for sections and the section main switch . The section switches reflect the current state of the sections. If the switch of a section is set to "ON", then the section is active or preselected depending on the state of the section main switch .

The section main switch is used as the ON/OFF signal generator for the sprayer. In the ON state all sections are active for which the switches are active. In the OFF state the sections engaged enter the state as preselected.

4. Technical data

Tab. 4-1: Technical data

Connections:	- 1x 9pol. Sub-D plug (for terminal or MFG connection) - 1x 9pol. Sub-D socket (for connection to basic equipment)
Power supply:	10.5 V – 16 V
Power consumption:	Max. 0.7 A
Temperature range:	-20 °C – 70 °C
Housing:	Continuous alu casting with plastic end caps
Protection degree:	IP 42
Dimensions:	214mm x 40mm x 18 mm (WxHxD)